

GOMOZOV, V. I.

"Deviation and Distortion of the Axes of Deep Holes." Sub 27 Jan 47,
Moscow Order of the Labor Red Banner Higher Technical School imeni N. E. Bauman

Dissertations presented for degrees in science and engineering in Moscow
in 1947

SO: Sum No. 457, 18 Apr 55

GOMOZOV, V.I., kand.tekhn.nauk, dotsent

Cold form rolling of pinion teeth. Izv.vys.ucheb.zav.;
mashinostr, no.12:82-87 '61. (MIRA 15:2)

1. Tul'skiy mekhanicheskiy institut.
(Gear-shaping machines)

L 02527-67 EWT(d)/EWP(f)/EWP(c)/EWP(v)/T/EWP(k)/EWP(h)/EWP(l)
ACC NR. AR6017330

SOURCE CODE: UR/0284/66/000/001/0006/0007

AUTHOR: Gomozova, I. P.

23

B

TITLE: Prospects for specialization of the Donets economic region

SOURCE: Ref. zh. Vopr. tekhn. progressa i org. proizv. v mashinostr., Abs. 1.35.41

REF SOURCE: Tekhn. progress i soversh. organiz. proiz-va. Resp. mezhved. nauchn. sb., vyp. 3, 1964, 38-44

TOPIC TAGS: machine industry, industrial organization, production engineering

ABSTRACT: There are presently three specialized machine building administrations in the Donets Council of National Economy: heavy and coal-mining machine building, machine building for the electrical industry and general machine building.¹⁴ The predominant form of specialization is by commodity, and the level of this specialization is raised by limiting the selection of articles produced, transferring manufacture of products unsuited to the organization of factories to specialized enterprises, and by construction of specialized shops and plants. The Council of National Economy could not take up specialization of production by component since this entails the necessity for extensive work on unification, normalization and standardization of components and assemblies. Specialized production has been set up only for isolated types of components and assemblies: rolled and drawn stock,

Card 1/2

UDC: 621:658.523

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fittings, gears, speed reducers and spare parts for automobiles, agricultural equipment and tractors. In addition to specialization by component, the Council of National Economy has done extensive work on development of technological specialization, particularly in the founding, forging and pressing industries. Foundries will be specialized according to forms of casting and the weight of blanks. Plans are being made for construction of a number of specialized foundries. Similar means are proposed for specialization of the forging and pressing industries. A great deal of interest is devoted to specialization in manufacturing welded metal structures and cutting tools. Further development is necessary in specialization of equipment repair and production of spare parts. A. Gurevich. [Translation of abstract]

SUB CODE: 13

Card 2/2 egr

DMOZOV A.N.D.

KRESHKOV, Anatoliy Pavlovich; SIL'VESTROVICH, S.I., nauchnyy redaktor;
GOMOZOVA, N.A., redaktor; GLADKIKH, N.N., tekhnicheskiy redaktor.

[Silicon organic compounds in engineering] Kremniioorganicheskie
soedineniya v tekhnike. Izd.2-ee, perer. i dop. Moskva, Gos.izd-vo
po stroit. materialam, 1956. 288 p.
(MLRA 10:4)
(Silicon organic compounds)

Gosudarstvennyi nauchno-tekhnicheskiy
VOL'FSO^N, Il'ya Grigor'yevich; ZALGALLER, G.M., inzh., red.; POLIKARPOV, V.F.,
nauchnyy red.; CHIRPAK, A.G., nauchnyy red.; PRUDNIKOVA, M.N., red.;
GOMOZOVA, N.A., red.; PANOV^A, L.Ya., tekhn. red.

[Sanitary engineering equipment; a catalog] Sanitarno-tekhnicheskoe
oborudovanie; katalog. Pod red. G.M. Zalgallers [Moskva] Gos. izd-vo
lit-ry po stroit. materialam, 1957. 201 p. (MIRA 11:7)

1. Russia(1923- U.S.S.R.) Ministerstvo promyshlennosti
stroitel'nykh materialov.
(Plumbing--Equipment and supplies)

PAPOROTSKIY, L.A., gornyy inzh.,red.; BLEYMAN, I.L., nauchnyy red.;
GOMOZOVA, N.A., otd. za vypusk., GILENSON, P.G., tekhn.red.

[Technical regulations for surface blasting] Tekhnicheskie pravila
vedeniia vzryvnykh rabot na dnevnoi poverkhnosti. Izd. 4., ispr.
Moskva, Gos. izd-vo lit-ry po stroit., arkhit., i stroit. materialam,
1958. 130 p.
(Blasting)

AL'TMAN, L.P.; NEVEL'SHTEYN, G.S.; KONSTANTINOV, O.A., doktor geogr.
nauk, prof., ovtv. red.; GOMOZOVA, N.A., red.; KUZNETSOV, N.S.,
red. kart; BAZANOVA, A.A., tekhn. red.

[Petrozavodsk, the capital of the Karelo-Finnish S.S.R.] Petro-
zavodsk, stolitsa Karelo-Finskoi SSR. Moskva, Gos.izd-vo
geogr. lit-ry, 1951. 47 p. (MIRA 16:1)
(Petrozavodsk)

GOMOZOVA, V.G.; FEDOTOVA, I.M.; LYUTTSAU, V.G.; BORODINA, M.L.

Properties of sol nuclei and of titanium hydroxide obtained
by the sulfuric acid method. Lakokras.mat.i ikh prim.
no.1:26-30 '63. (MIRA 16:2)
(Titanium hydroxide)
(Colloids)

BORODINA, M.L.; GOMOZOVA, V.G.; MIKHAYLOVA, Yu.V.; ZOLOTUKHINA, A.N.

Effect of nuclei used in the production of titanium dioxide
on its pigmentary properties. Lakokras. mat. i ikh. prim.
no.4:16-21 '61. (MIRA 16:7)

(Titanium oxide) (Pigments)

GOMOZOVA, Ye.G.

Clinical roentgenological diagnosis of fungus disease of the lacrimal ducts [with summary in English]. Vest. oft. 72 no.2:10-25 Mr-Ap '59.
(MIRA 12:4)

1. Moskovskaya glaznaya klinicheskaya bol'nitsa (nauchnyy rukovoditel' saslushennyj deyatel' nauki prof. M.L. Krasnov).

(LACRINAL APPARATUS, dis.

fungus dis., clin. & x-ray diag. (Rus))

(FUNGUS DISEASES, diag.

lacrimal appar., clin. & x-ray diag. (Rus))

"APPROVED FOR RELEASE: 06/13/2000

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were applied on polyethylene film 60 ± 10 microns thick, the surface

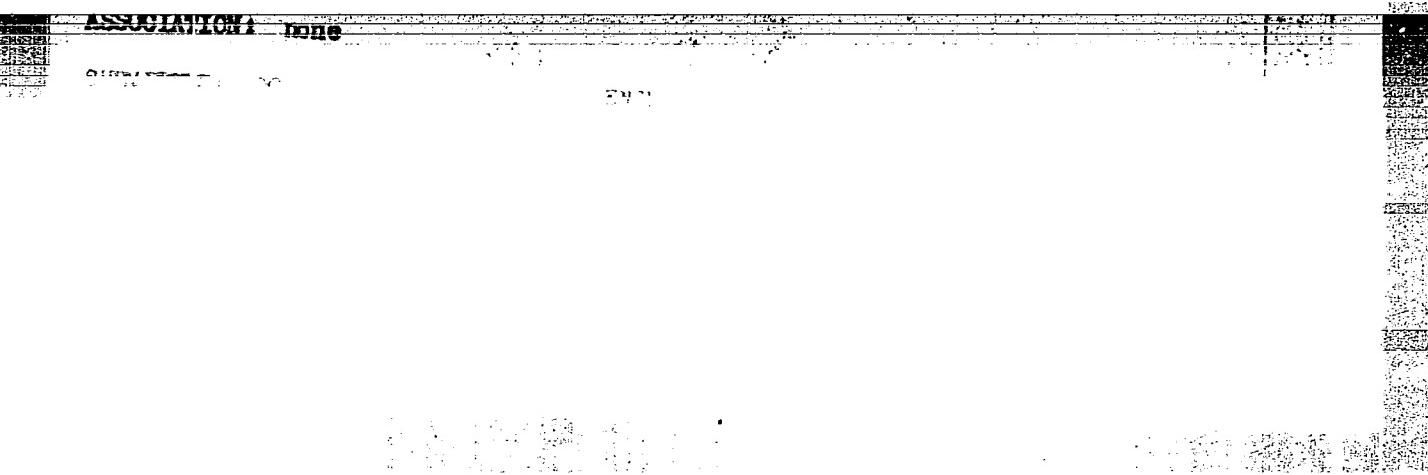


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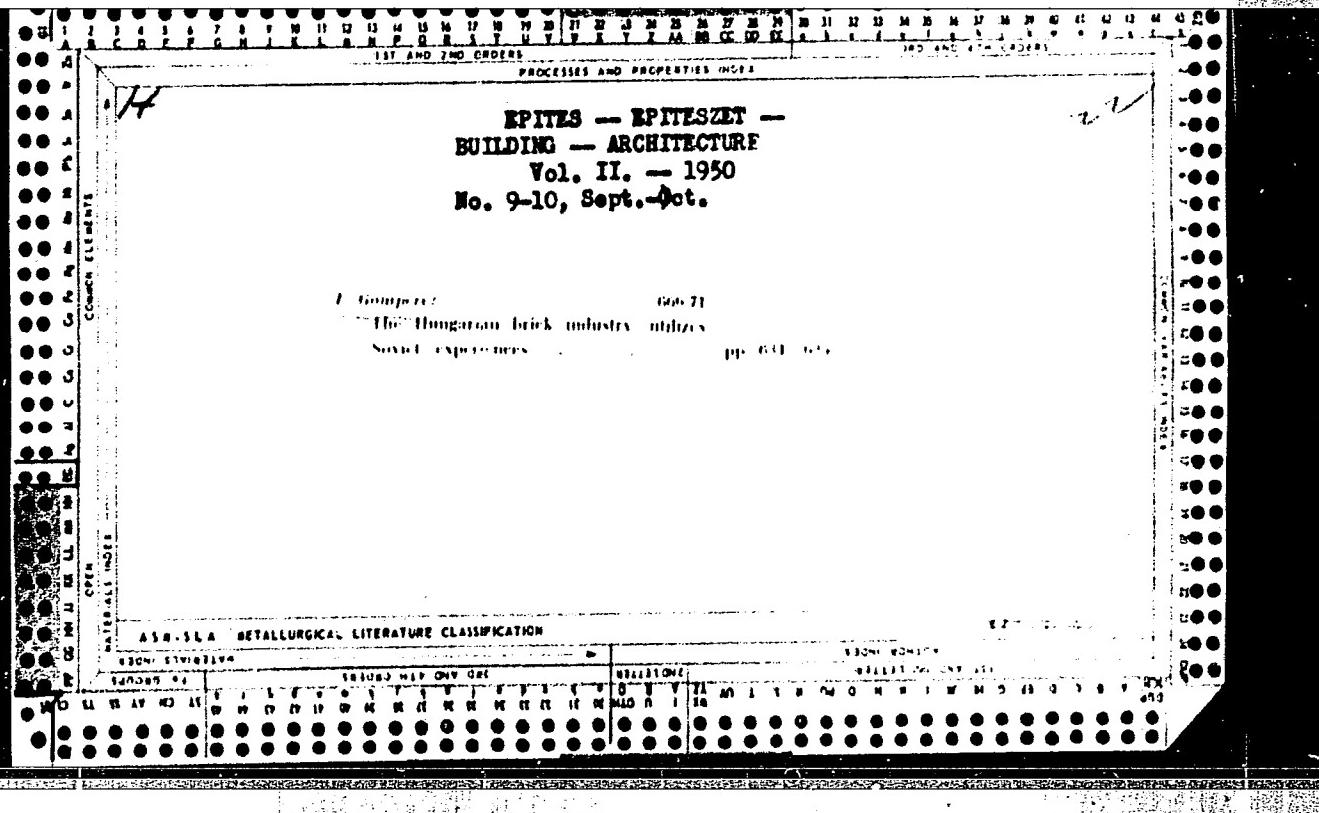
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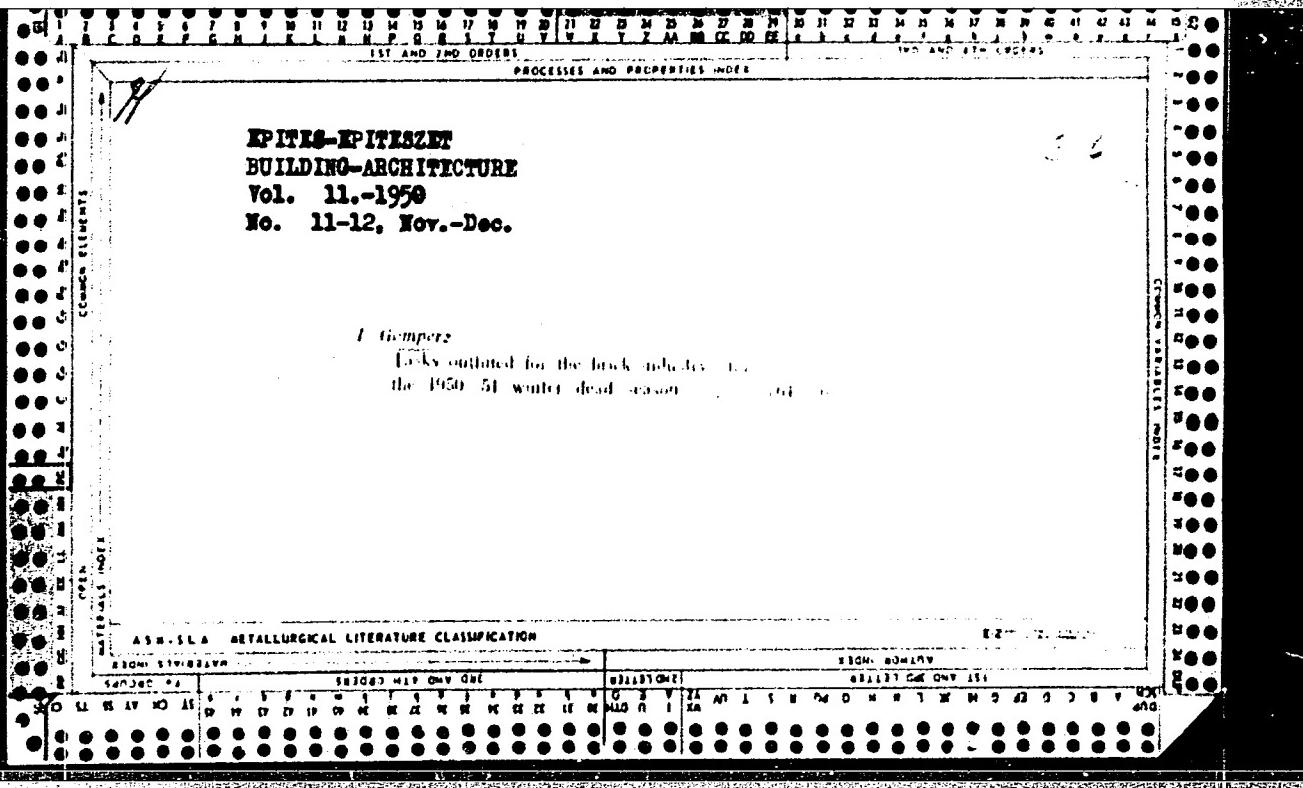
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GOMPERZ, I.

"Methods of calculating heat balance in rotary furnaces" p. 216, (EPITOANYAG,
Vol. 5, no. 6, June 1953, Budapest, Hungary)

SO: Monthly List of East European Accessions, L.C., Vol. 2, No. 11, Nov. 1953, Uncl.

GOMPERZ, I.

"Very Large Hollow Clay Bricks", P. 99, (EPITCANVAG, Vol. 4, No. 3,
March 1954, Budapest, Hungary)

SC: Monthly List of East European Accessions (EEAL), LC, Vol. 4, No. 3,
March 1955, Uncl.

GRIGOR'YEV, V.; VLEMENOV, A.; KAZAD'YEV, D. (n. Terek);
KUD'YAN, S., Inspektor; GORYAINOV, E.; GONTAREV, V.

Letters to the editor. Pochtovaya p.t. no. 146-47 Ag '61.

(CIA 34:10)

1. Starshiy inspektor Ministerstva torgovli Tatarskoy SSR,
g. Yoshkar-Ola (for Grigor'yev). 2. Director restorana "Uralma",
g. Sabor (for Kud'yant). 3. Trubchik ch. ofi. otrebnoyuz (for
Fridman). 4. Nachall'nik planovogo otdela Kirovskogo
torgotorga (for Golovaty). 5. Zamstitel' svodnushchey
stolcovoy No.1, g. Taldy-Kurgan, Kirovskaya 43 (for Gontareva).
(Restaurant, lunchrooms, etc.)

P/025/60/000/009/001/002
D003/D101

AUTHORS: Gomułczyński, Józef, Master, Zechenter, Jan, Master
Engineer, Gierlaszyńska-Czerwińska, Stanisława, Master,
and Kasza, Adam

TITLE: Instructions for cement tests and determination of
cement properties for the needs of the petroleum indus-
try

PERIODICAL: Nafta, no. 9, 1960, 244-249

TEXT: The article contains a detailed description of cement testing /
procedures in the petroleum industry. The new instructions are
based on the official instructions issued by the Stowarzyszenie
Naukowo-Techniczne Inżynierów i Techników PN (Scientific and Techni-
cal Association of Polish Petroleum Engineers and Technicians), on
US standards (API) and on Soviet standards (GOST). Individual
paragraphs of the instructions are dedicated to cement sampling and
necessary instrumentation, fineness specifications for cement used
in bore holes, preparation of cement slurry for testing, determina-

Card 1/2

Instructions for cement tests...

P/025/60/000/009/001/002
D003/D101

tion of the specific gravity of slurry, filtration tests, setting time requirements, consistometer tests of cement samples and determination of mechanical properties of cement. The article closes with a facsimile of a test certificate. Upon approval by the Żjednoczenie Przemysłu Naftowego (Petroleum Industry Union), the instructions will be obligatory for the entire petroleum industry. There are 4 figures and 3 tables.

Card 2/2

GOMULIN, T.

"More On Sardines", p. 107, (MORSKO RIBARSTVO, Vol. 6, No. 9/10, 1951,
Zagreb, Yugoslavia)

SC: Monthly List of East European Accessions (FEAL), IC, Vol. 4, No. 3,
March 1955, Uncl.

JAROMINIAK, Andrzej, mgr inz.; GOMULINSKA, Ewa, mgr inz.

Studies on 15m long prefabricated bridge spans. Inz i bud 19
no.6:220-223 Je '62.

GOMULINSKI, J.; SKORUPINSKI, A.

Standardization in the machine-tool industry. p.529.

MECHANIK. (Stowarzyszenie Inżynierów i Techników Mechaników Polskich)
Warszawa, Poland. Vol.32, No.9, Sept. 1959.

Monthly list of East European Accession (EEAI) LC, Vol.9, no.1, Jan.1960.

Uncl.

JEDLINSKI, Zbigniew; GOMULKA, Andrzej

Studies on certain oximes as antioxidants for paints and
varnishes. Polimery tworzące wielk. 8 no. 7/8:287-290
Jl-Ag'63.

1. Katedra Powłok Ochronnych, Politechnika, Gliwice.

GOMULKA, Jerzy

Kleiner's method of determination of pepsin in gastric ulcer and cancer. Przegl. lek., Krakow 10 no.10:278-281 1954.

1. Z III Kliniki Chirurgicznej Rad. Med. w Krakowie. Kierownik: prof. dr J.Jasienski.

(PEPSINS, determination,
in peptic ulcer & stomach cancer, Kleiner's method)

(PEPTIC ULCER, physiology,
pepsin secretion, determ., Kleiner's method)

(STOMACH, neoplasms,
pepsin secretion in, determ., Kleiner's method)

GOMULKA, Jerzy; JUSZCZYNSKI, Michal

Eosinophil count in peripheral blood in patients with the so-called dumping syndrome following stomach resection. Polski tygod. lek. 13 no.27:1042-1044 7 July 58.

1. (Z III Kliniki Chirurgicznej A. M. w Krakowie: kierownik: prof. dr Jerzy Jasienski) Krakow, ul. Dietla 63/6.
(EOSINOPHIL COUNT, in various dis.
dumping synd. (Pol))
(GASTRECTOMY, compl.
dumping synd., eosinophil count in (Pol))

EXCERPTA MEDICA Sec 20 Vol 2/8 Gerontology Aug 59

1116. The number of eosinophils in the blood of old persons in the post-operative period Poziom krwinek kwasochlonnych we krwi w okresie pooperacyjnym u starsow. GOMULKA J. III. Klin. Chir. A. M., Krakow Pol. Tyg. Lek. 1958, 13/34 (1321-1324) Tables 2

On the basis of repeated counting of the circulating eosinophils in 65 old persons whose average age was 73 yr. and who were either operated on or treated conservatively, as well as on the basis of curves made from these data, Boureau's and Couturier's conclusions, which recognize 2 types of postoperative curves, ascending and descending, and which deal with their importance for the prognosis, were confirmed. Both curves, however, represent only 2 extreme types, so that a number of intermediary, rather varied and considerably more frequent types of curves were distinguished as well. Only a permanent absence of circulating eosinophils is a decisive sign of poor prognosis. Figures showing fluctuations in the number of eosinophils in healthy persons of various ages as a criterion marking the limits between the norm, eosinophilia, and eosinopenia do not apply to old persons, in whom considerably narrower and lower limits of the norm, both upper and lower, should be fixed. Judging by these adjusted values, only in 3% of old persons was a postoperative eosinophilia noticed; in 30% a normal level was seen; in one-third eosinopenia and in another one-third a transient or lasting absence of eosinophils in the circulating blood. This last phenomenon was as a rule encountered in emaciated patients with malignant neoplasms, in cases of 'jaundice' and fistulas of the small intestine and in marasmus senilis. A scarcity of circulating eosinophils is accompanied by a normal postoperative course and by a satisfactory outcome. An influence of the transfusion of stored blood on eosinophil values has been shown in old persons as well as in young ones.

KAMIENSKI, Roman; GOMULKA, Marian

Präoperative and postoperative leukocyte levels in children. Polski
tygod. lek. 9 no.10:297-299 8 Mar 54.

1. Z Oddziału Chirurgii Dziecięcej III Kliniki Chirurgicznej
Akademii Medycznej w Krakowie, kierownik prof. dr Jerzy Jasieniak.
(LEUKOCYTE COUNT,
eff. of surg. in child.)
(SURGERY, OPERATIVE, effects,
on leukocyte count in child.)

KAMIENSKI, R.; GOMULKA, M.

Eosinophil level in children pre- and post operatively and after postoperative blood transfusion. Przegl. lek. Krakow 10 no.12a: 396-398 Dec 54.

l. Z III Kliniki chirurg. A.M. w Krakowie - kierownik prof. dr. J.Jasienski

(EOSINOPHIL COUNT

preop. & postop. & after postop. blood transfusion in child.)

(SURGERY, OPERATIVE, in infant and child
preop. & postop. eosinophil count)

(BLOOD TRANSFUSION, in infant and child
postop., eosinophil count)

KAMIENSKI, R.; GOMULKA, M.

Eosinophil level in children after blood transfusion. Przegl.
lek. Krakow 10 no.12a:398-399 Dec 54.

l. Z III Kliniki chirurg. A.M. w Krakowie - kierownik prof.
dr. J.Jasieniak
(EOSINOPHIL COUNT,
after blood transfusion in child.)
(BLOOD TRANSFUSION, in infant and child
eosinophil count)

GOMULKA, Marian Jerzy; KAMIENSKI, Roman; RODECKI, Andrzej

Capillary permeability in cases of simple and toxic goiters before operations and several days after surgery. Polski tygod. lek. 12 no.38: 1454-1457 16 Sept 57.

1. (Z III Kliniki Chirurgicznej A. M. w Krakowie, kierownik: prof. dr Jerzy Jasienski). Adres: Krakow, ul. Pradnicka 37 III Klinika Chirurgiczna A. M.

(GOITER, surgery,

 preop. & postop. capillary permeability (Pol))

(HYPERTHYROIDISM, surgery,

 same)

(CAPILLARY PERMEABILITY, in various diseases,

 hyperthyroidism & simple goiter, preop. & postop. changes (Pol))

GOMULKA, WLADYSLAW.

O zadaniach szkolnictwa; przemówienie i podsumowanie dyskusji na krajowej naradzie partyjnego aktywu oświatowego dnia 24. IX. 1958 r.

(Wyd. 1. Warszawa) Ksiazka i Wiedza, Poland 1958. 36 p.

Monthly List of East European Accessions, (EEAI) LC, Vol. 9, No 1, Jan. 1960
Uncl.

GOMULKA, WIADYSIAW

"The future of Polish villages is in the cooperative management". (A fragment of the speech by the above at the Central Harvest Festival in Warsaw on Sept. 7, 1958)
p. 721 (Nowe Rolnictwo, Vol. 7, No. 18, Sept. 1958. Warsaw, Poland.)

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 1, Jan. 1959

GOMULKA, W.

The foundations of agricultural policy. P 241

NOWE BOLNICTWO (Panstwowe Wydawnictwo Rolnicze i Lesne) Warszawa POLAND
Vol. 8, no. 7, Apr. 1959

Monthly List of East European Accessions (EEAI) LC. Vol. 8, no. 7, July 1959

Uncl.

GOMULKA, Wladyslaw

Achievements of science and engineering to be used in the
service of the fatherland. Wiadom gorn 12 no.3:65-67

W. '61.

GOMULKA, Wladyslaw

Productive labor and better economy as the necessary condition for
a better life of the working people; from the address of Wladyslaw
Gomulka, First Secretary of the Central Committee of the Polish
United Workers Party. Przeglotchn no.50:1 16 D '62.

1. I Sekretarz Komitetu Centralnego Polskiej Zjednoczonej Partii
Robotniczej, Warszawa.

GOMULKA, Wladyslaw

A further contribution by science to the building of a socialist
Poland. Review Pol Academy 7 no.4:5-13 O-D '62.

GOMULKA, Wladyslaw

Further contribution of science to building a socialist Poland.
Nauka polska 10 no.5:4-11 8-0 '62.

1. I Sekretarz Komitetu Centralnego Polskiej Zjednoczonej Partii
Robotniczej, Warszawa.

GOMULKA, Wladyslaw

Sciences are marching ahead with the Party and the Party with the sciences; from an address at the 11th Plenum of the Central Council of the Polish United Workers Party. Przegl techn 84 no.1:3 6 Ja '63.

1. 1st Secretary of the Polish United Workers Party, Warsaw.

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CIA-RDP86-00513R000515930007-1

GOMULKI, Wladyslaw

The Polish chemical industry. Chemik 17 no.1:1-3 34 '64.

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CIA-RDP86-00513R000515930007-1

GOMULKA, Wladyslaw

Planning the next five-year plan. Horyz techn 17 no.10&2 0164

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000515930007-1"

GOMULKA, Wladyslaw

Address at the inaugural ceremonies in Plock. Nafta Pol 20
no.233-36 F '64.

1. I Sekretarz Komitetu Centralnego Polskiej Zjednoczonej Partii
Robotniczej, Warszawa.

21.6000

S/058/62/000/009/004/069
A006/A101

AUTHORS: Gomulkiewicz, Jan, Kuczera, Janina

TITLE: The use of dielectric plates for measuring β -activity

PERIODICAL: Referativnyy zhurnal, Fizika, no. 9, 1962, 12, abstract 9B104
("Pierwsze krajowe sympoz. zastosowań izotopów techn.", Rogów, 8 -
12 czer., 1960". Warszawa, 1961, no. 18, Polish; summaries in
Russian and English)

TEXT: An attempt is made of using dielectric plates to measure β -activity.
For this purpose Karnaub wax plates were irradiated with Sr⁹⁰ β -particles. A
linear dependence was discovered between the activity of the source and the charge
accumulated in the plate. The charge was measured by the method of electrostatic
induction.

[Abstracter's note: Complete translation]

Card 1/1

GOMUL'KIN, A. A.: Master Vet Sci ('diss) -- "Some surgical, physiological, and pharmacological investigations of bile secretion in cows". Leningrad, 1958.
22 pp (Min Agric USSR, Leningrad Vet Inst, Chair of Operative Surgery of the Leningrad Vet Inst and Chair of Pharmacology), 150 copies (KL, No 6, 1959, 140)

SOV/66-59-4-15/28

14(1)

AUTHORS: El'kin, I., and Gomulya, G., Engineers

TITLE: Freon Solenoid Valve VSF-2

PERIODICAL: Kholodil'naya tekhnika, 1959, Nr 4, pp 55-56 (USSR)

ABSTRACT: The Khar'kov Experimental and Designing Bureau has developed and produced in cooperation with the KhZTM, Khar'kov Commercial Machine Plant, the first models of a Freon solenoid valve, the VSF-2, a 2-positional actuating mechanism, which can be either fully opened or fully closed. It consists of a coil and a core. If current passes through the coil, the core is fully drawn-in and opens a pilot valve of 2 mm diameter. The pressure of the refrigerant in the cavity above the rubber diaphragm falls rapidly. In view of the fact that the pressure in the hollow under the diaphragm remains high, the pilot valve rises and opens the principal aperture of the valve. To avoid vibration the core is equipped with a spring. Upon switching off the current, the core drops, the pilot valve goes down and the valve is closed. The advantage of such a valve in conjunction with thermostats consists in the possibility of setting up

Card 1/2

Freon Solenoid Valve VSF-2

SOV/66-59-4-15/28

systems capable of controlling different temperatures in various compartments from one refrigeration machine. The technical characteristics of the VSF-2 valve are as follows: Maximum pressure at the intake 12 kg/cm², endurance test pressure 16 kg/cm², tension of current 220 v, frequency - 50 cycles, power consumed 20 w, stroke of principal valve 2.5 ± 0.5 mm, dimensions - 90 x 90 x 90, weight - 0.9 kg.
There is one diagram.

Card 2/2

GOMYANINA, N. Ya.

GOMYANINA, N. Ya. -- "Increasing the Milk and Meat Productivity of Cattle in the Arid Zone of Groznyy Oblast." All-Union Sci Res Inst of Animal Husbandry. Moscow, 1955. (Dissertation for the Degree of Candidate of Agricultural Sciences.)

SO: Knizhnaya letopis', No. 14, Moscow, 1956

Gonza, M. S.

GONZA, M.S.; GENZER, M.S.; DYMOVA, V.N.; SIDOROV, V.F.; FADEYEV, V.M.
SKOMOROKHOV, V.N.; KUTNAYEV, K.A.; KIRYUSHICHEV, I.K.

Remedyng defects at points of decrease in flat-knit
stockings. Leg.prom. 17 no.8:40-42 Ag '57. (MIRA 10:10)
(Hosiery)

SERGEYEV, D.Ye., master; FADAEV, V.M., master; IVANOV, V.N., master;
GOMZA, M.S., master

"Design and regulation of Cotton machines" by N.I.Malysheva,
A.V.Baryshnikov, N.I.Kosenkov. Reviewed by D.E.Sergeev and
others. Tekst.prom. 20 no.6:78-81 Je '60.
(MIRA 13:7)

1. Leningradskaya trikotazhnaya fabrika "Krasnoye Znamya."
(Knitting machines)
(Malysheva, N.I.) (Baryshnikov, A.V.) (Kosenkov, N.I.)

14(5)

SOV/95-59-3-6/14

AUTHOR: Gomzhin, G.N., Engineer

TITLE: Organization of Construction of Gas Pipeline Ishimbay-Magnitogorsk(Organizatsiya rabot na stroitel'stve gazoprovoda Ishimbay-Magnitogorsk)

PERIODICAL: Stroitel'stvo truboprovodov, 1959, Nr 3, pp 18-21 (USSR)

ABSTRACT: One of the most difficult sections for pipeline construction, due to the rugged configuration of the country, is the 113 km stretch located in the South Ural, between Ishimbay and Magnitogorsk, part of which was passable (about 67 km); part of it was difficult to cross (35 km) and part was impassable (11 km). On the 113 km stretch there were 843 bends with radii from 10 to 30 m. For the insulation of the pipeline a special team had been formed composed of 4 TL-4 type pipe-laying units, two cleaning machines S-238, one insulating machine, one bulldozer D-271, one tractor S-80, six bitumen boilers and a laboratory. The 18 - 22 men belonging to the team were paid in a lump sum at a fixed rate for each km. For transverse slopes of 15 - 35° a special method was worked out, which was based on the formation of a shelf, sufficiently wide to permit carrying out

Card 1/3

SOV/95-59-3-6/14

Organization of Construction of Gas Pipeline Ishimbay-Magnitogorsk

all operations necessary for welding, insulating and installing of the pipeline. The article indicates how this shelf is calculated: the minimum width of a filled-up shelf is 5 m for slopes of up to 35°. After the shelf was formed, work proceeded in the usual manner, the number of pipe-laying units depending upon the local relief. The average efficiency in pipe laying under mountainous conditions was 3.4 hours per km. As impassable country were considered slopes with a longitudinal incline from 20 to 60°. On such slopes as a rule bulldozers were employed which, after blasting of the soil, pushed the earth down the mountain side, making a ditch 1.3 - 1.6 m deep, by descending in low gear and applying the brakes. The filling-up of the ditch was done in a similar way, in as much as earth gathered on top of the ridge was pushed down into the trench. A special method of pipe laying had been worked out for steep slopes. Pipe sections 24 m long were welded and insulated at the foot of the mountain, then hauled to the top, where three pipe-laying units and a welding unit were installed. As the first pipe sections were welded together, they were lowered into the trench, after which the next sections followed and were processed in the

Card 2/3

SOV/95-59-3-6/14

Organization of Construction of Gas Pipeline Ishimbay-Magnitogorsk

same way. The first section was placed on a sledge which carried the pipeline downward inside the trench. On slopes not exceeding 30° the insulation process was also mechanized, in as much as cleaning machines were connected to the pipe-laying units by 12 m cables. In some cases a tractor S-80 was set at the top of the hill, supporting by cable the cleaning machines in their ascent. The movement of the insulation machine was controlled in the same way.

There are 7 diagrams.

Card 3/3

GOMZHIN, G.N., inzh.

Workers' achievements in time for the historic date. Stroi.
truboprov. 6 no.10:6 0 '61. (MIRA 14:10)

1. Trest Tatnefteprovodstroy, Kazan'.
(Petroleum--Pipelines)

GOMZHIN, Gennadiy Nikolayevich; NOVICHKOVA, M.M., ved. red.

[Experience in building precast reinforced concrete reservoirs] Opyt stroitel'stva sbornykh zhelezobetonnykh rezervuarov. Moskva, Nedra, 1964. 73 p. (MIRA 17:6)

GOMZHIN, G.N.

Casinghead gases for chemical enterprises of Tataria and Bash-kiria. Stroi.truboprov. 9 no.2:6-7 F '64. (MIRA 17:3)

1. Trest Tatnefteprovodstroy, Kazan'.

L 44005-66 EWT(m)/EWP(t)/T/ETI/EWP(k) IJP(c) JD/HW
ACC NR: AP6029871 SOURCE CODE: UR/0413/66/000/015/0022/0022

INVENTOR: Voronov, F. D.; Filatov, A. D.; Gun, S. B.; Selivanov, N. M.; Nosov, V. D.; Savel'yev, G. V.; Goncharov, F. I.; Plotnikov, P. I.; Roshkov, S. A.; Kustobayev, G. G.; Polushkin, V. P.; Arkhipov, V. M.; Uziyenko, A. M.; Kolov, M. I.; Kozhevnikov, V. P.; Shapiro, B. S.; Kalugin, V. F.; Grudev, P. I.; Aksenov, B. N.; Khomyachkov, A. P.; Rudakov, Ye. A.; Kuzema, I. D.; Gomzhin, V. V.; Poydyshev, B. N.; Shternov, M. M.

ORG: none

TITLE: Method of making high-strength steel plates by pack rolling. Class 7,
No. 184232

SOURCE: Izobret prom obraz tov zn, no. 15, 1966, 22

TOPIC TAGS: high strength steel, high strength steel plate, high strength steel sheet, steel plate rolling, steel sheet rolling

ABSTRACT: This Author Certificate introduces a method of pack rolling high-strength steel plates and sheets up to 10 mm thick, and up to 3500 mm wide in a carbon steel envelope. The method includes cleaning, coating, making of the pack, heating, rolling and subsequent heat treatment. To ensure an accurate thickness of the plates

Card 1/2

UDC: 621.771.23

58

B

L 44005-66

ACC NR: AP6029871

or sheets regardless of their location in the pack, the thickness of the envelope must be at least 0.6 of the total initial thickness of the high-strength plates of the pack.

[ND]

SUB CODE: 13/ SUBM DATE: 18Jun64/ ATD PRESS: 5070

Card 2/2 blg

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000515930007-1

MILASHEVSKIY, I.I.; GOMZIKOV, A.M.

Electroosmotic lubrication of stamps in semidry brick pressing.
Stroi. mat. 11 no.1:36 Ja '65. (MIRA 18:6)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000515930007-1"

MELIK-PASHAYEV, V.S.; KOCHETOV, M.N.; LISUNOV, V.R.; GOMZIKOV, V.K.;
MOLOTOVA, N.A.; KHORISHKO, S.T.; SHERSTNYAKOVA, L.G.

Oil yield of pools developed for a long period of time on the
basis of geological field data. Trudy VNII no.43:3-106 '65.

(MIRA 18:6)

GOMZIN, V.N.

Density of the distribution of an amplitude fluctuating
signal at the output of a limiter. Radiotekh. i elektron.
10 no.12:2231-2232 D '65. (MIRA 19:1)

1. Submitted April 8, 1965.

GOMZYAKOV, G.A.

Ligation of inferior caval vein. Vest.khir.Grekova 70 no.5:44-46
1950. (CLML 20:5)

1. Head of Second Surgical Clinic (Head--N.N.Samarin), State Order
of Lenin Institute for the Advanced Training of Physicians imeni
S.M. Kirov.

Gomzyakov, G.A.

KUPRIYANOV, P.A., general-leytenant meditsinskoy sluzhby, redaktor;
KOLESNIKOV, I.S., polkovnik meditsinskoy sluzhby, professor,
redaktor; SMIRNOV, A.V., zasluzhennyy deyatel' nauki, professor;
GOMZYAKOV, G.A., doktor meditsinskikh nauk; SHMUKLER, B.A.,
professor; SHIVCHENKO, F.Ya., tekhnicheskiy redaktor; SHCHADENKO,
A.S., tekhnicheskiy redaktor

[Atlas of gunshot wounds] Atlas ogneostrel'nykh ranenii. Pod red.
P.A.Kupriyanova, I.S.Kolesnikova. Leningrad, Gos. izd-vo meditsin-
skoy lit-ry. Vol.4, Pt.2. [Gunshot wounds of the pelvis and the
urogenital system] Ognestrel'nye ranenija taza i mochepolovoi
sistemy. 1953. 323 p. [Microfilm] (MLRA 7:10)

1. Deyatvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for
Kupriyanov) 2. Russia (1923- U.S.S.R.) Glavnoye voyenne-
meditsinskoye upravleniye vooruzhennykh sil SSSR.

(Pelvis--Wounds and injuries)

(Genito-urinary system--Wounds and injuries)

(Gunshot wounds)

GOMZIAKOV, G.A.

KOLESOV, V.I., professor (Leningrad)

"Atlas of gunshot wounds." Vol.IV: Gunshot wounds of the pelvis and of the genitourinary system. [professor, zasluzhennyy deyatel' nauki] A.V.Smirnov, [doktor meditsinskikh nauk] G.A.Gomzyakov, [professor] B.A.Shmukler. Reviewed by V.I.Kolesov. Khirurgiia no. 4:87-88 Ap '54. (MLRA 7:6)

(PELVIS--WOUNDS AND INJURIES)

(GENITOURINARY ORGANS--WOUNDS AND INJURIES)

(GUNSHOT WOUNDS)

(SMIRNOV, ALEXANDR VASIL'EVICH, 1836-)

(GOMZIAKOV, G.A.)

(SHMUKLER, B.A.)

GOMZYAKOV, G.A.

Surgical treatment of portal hypertension. Vest.khir. 75 no.4:
11-22 My '55.
(MIRA 8:7)

1. Iz 2-y kafedry khirurgii Gosudarstvennogo ordena Lenina insti-
tuta usovershenstvovaniya vrachey im. S.M.Kirova Leningrad, V. O.
16-ya liniya, d. 11, kv.19.
(HYPERTENSION,
portal, surg.)

GOMZYAKOV, G.A., prof., Leningrad, ul. Saltykova-Shedrina, d.41, 2-ia
Khirurgicheskaya klinika.

Simple fractures of the pelvis complicated by retroperitoneal
hematomas. Vest.khir. 75 no.5:67-74 Je '55. (MLRA 8:10)

1. Iz 2-y kafedry khirurgii (i.o.zav.prof. G.A. Gomzyakov)
Leningradskogo ordena Lenina instituta usovershenstvovaniya
vrachey Im. S.M. Kirova.

(PELVIS, fractures,
with retroperitoneal hematoma)

(FRACTURES,
pelvis, with retroperitoneal hematoma)

(HEMATOMA,
retroperitoneal, in pelvis fract.)

(ABDOMEN, hemorrhage,
hematoma, retroperitoneal, in pelvis fract.)

GONZYAKOV, G. A.

Gonzyakov, G. A., professor

Answer to V.V.Krestovskii's letter. Vest.khir. 73 no.4;142 ap '57.
(INTESTINES--SURGERY)
(MARK 10:9)

BLINOV, Nikolay Il'ich, prof.; GOMZYAKOV, Georgiy Aleksandrovich, prof.;
TAL'MAN, I.M., red.; LEBEDEVA, Z.V., tekhn. red.

[Difficulties and errors in diagnosing acute diseases of the
organs of the abdominal cavity] Trudnosti i oshibki diagnostiki
ostrykh zabolevanii organov briushnoi polosti. Leningrad, Medgiz,
1962. 242 p.

(MIRA 15:6)

(ABDOMEN--DISEASES)

GOMZYAKOV, G.A., prof.

Therapeutic tactics in acute cholecystitis beginning with
medical aid in the patient's home. Khirurgiia 39 no.10:31-37
O '63. (MIRA 17:9)

1. Iz 2-y kafedry khirurgii (zav.-prof. G.A. Gomzyakov)
Leningradskogo instituta usovershenstvovaniya vrachey.

ABRAMOV, Sh.I., prof.; BAIROV, G.A., prof.; BLINOV, N.I., prof.;
GADZHIYEV, S.A., prof.; GODUNOV, S.F., prof.; GOMZYAKOV,
G.A., prof.; DEMIN, V.N., prof.; ZVORYKIN, I.A., prof.;
KAPITSA, L.M., kand. med. nauk; MOKROVSKAYA, S.P., kand.
med. nauk; POSTNIKOV, B.N., prof.; PORKSHEYAN, O.Kh.,
prof.; SIDORENKO, L.N., kand. med. nauk; TAL'MAN, I.M.,
prof.; FEDOROVA, A.D., kand. med. nauk; FILATOV, A.N.,
prof.; KHROMOV, B.M., prof.; SARKISOV, M.A., red.

[Errors, hazards and complications in surgery] Oshibki,
opasnosti i oslozhneniya v khirurgii. Leningrad, Me-
ditsina, 1965. 563 p. (MIRA 18:?)

GOMZYAKOVA, N.V.

Calculating the quantity of blood reticulocytes by fluorescence
microscopy. Lab. delo 6 no.5:38-39 S-0 '60. (MIRA 13:9)

1. Laboratoriya biofiziki Instituta fiziki Sibirskogo otsteleniya
AN SSSR, Krasnoyarsk.
(FLUORESCENCE MICROSCOPY) (BLOOD CELLS)

GOMZYAKOVA, N.V.

Luminescence microscopy of peripheral blood leucocytes from
animals of various ages during X-ray irradiation. Vop. biofiz.,
biokhim.i pat.erit. no.2:146-152 '61. (MIRA 16:3)
(LEUCOCYTES) (FLUORESCENCE MICROSCOPY)
(RADIATION--PHYSIOLOGICAL EFFECT)

GOMZYAKOVA, N.V.; YUKOV, O.S.

Use of luminescence microscopy for studying the leucocytes and
their phagocytosis by the reticuloendothelium of the spleen.
Vop. biofiz., biokhim. i pat. erit. no. 2:220-225 '61.

(MIRA 16:3)

(LEUCOCYTES)
(SPLEEN)

(PHAGOCYTOSIS)
(FLUORESCENCE MICROSCOPY)

GOMZYAKOVA, N.V.; TERSKOV, I.A.; CHERNYAVSKIY, V.A.

Quantitative content of methemoglobin in individual erythrocytes.
Izv. SO AN SSSR no.12: Ser. biol.-med. nauk no.3:122-126 '64.

(MIRA 18:6)

1. Institut fiziki Sibirskogo otdeleniya AN SSSR, Krasnoyarsk.

41116
S/121/62/000/010/003/005
DO40/D112

18.8310

AUTHORS: Titov, V.A., and Gomzyakova, S.I.

TITLE: The corrosion resistance of steel oxidized in steam

PERIODICAL: Stanki i instrument, no. 10, 1962, 35-38

TEXT: Experiments were made to find the optimum conditions for the ferrox process. Specimens of hot-rolled carbon steel were oxidized in a reactor by steam with a temperature of up to 700°C. The oxide films were subjected to metallographic, electrochemical and X-ray analysis. At steam temperatures of 400-700°C, the oxidation kinetics obeyed a parabolic law. There was an exponential dependence of the film depth on the temperature. Films formed at below 550-570°C consisted of Fe_3O_4 only; in those formed at a higher steam temperature the Fe_3O_4 was accompanied with FeO. The corrosion resistance of the treated steel depended on the temperature and time of treatment, and on the structure of the oxides. The following procedure is recommended for low-carbon and medium-carbon steel: preheating the re-

X

Card 1/2

The corrosion resistance of steel ...

S/121/62/000/010/003/005
D040/D112

actor to 360-380°C, charging the parts into the reactor and holding them for 5-8 min at this temperature; blowing superheated steam three times through the reactor; heating the reactor with the parts to 550°C; holding the parts at this temperature in steam (at 0.3-0.5 gage atmospheres) for 90 min; cooling the reactor with the parts down to 100-150°C without steam feed and without admission of air; additional corrosion protection of the parts by immersing them in oil. The oxide film obtained by this treatment was 7-8 μ deep and consisted of Fe_3O_4 . It was black and had no pores. It is considered a dependable indoor and outdoor protective means for steel in a temperate climate. There are 4 figures.

✓

Card 2/2

TITOV, V. A.; GOMZYAKOVA, S. I.

Corrosion resistance of steel oxidized in water vapors.
Stan. i instr. 33 no. 10:35-38 O '62. (MIRA 15:10)

(Steel--Corrosion)

Goradze, G. M.

✓ Synthesis of the acetic ester of 2,7-dimethyl-3,5-octadiene-2,7-diol and its catalytic hydrogenation A 1

Nogaide and G. M. Goradze (State Univ., Tiflis). Zhur. Obrabotka Khim. 25, 114-17; J. Gen. Chem. (U.S.S.R.) 25 97-9(1955)(Engl. translation).—Heating 10 g. 2,7-Dimethyl-3,5-octadiene-2,7-diol with 60 g. Ac₂O and 1.3 g. NaOAc 5 hrs. at 155-65° gave 60% of the corresponding *diacetate*, b.p. 148-51°, m. 31-2° (from EtOH), d₂₅ 1.0359, n_D²⁰ 1.4053. This hydrogenated over Pt black in EtOH (978 ml. H utilized in 1 hr. by 2.5 g. ester) yielded 22.5% *tetra*-PrCH₂CH₂CH₂CH₂CMe₂OAc, b.p. 72-4°, d₂₅ 0.8658, n_D²⁰ 1.4250, and mainly (the actual yield unstated) (CH₃CH₂CMe₂OAc)₂, b.p. 105-8°, d₂₅ 0.9730, n_D²⁰ 1.4430. When 5 moles H were added to the unsatd. ester, only the former ester was obtained. Hydrogenation over Pt-starch gave 20% of the above monoester and mainly the diester, whose consts. were identical with the above. G. M. Kosolapoff

(1)

GONADZE, G. M. Cand Chem Sci -- (diss) "Synthesis of ~~acetic acid~~ esters of glycols of the diacetylene series and their catalytic hydrogenation." Tbilisi, 1958. 13 pp (Min of Higher Education. Tbilisi State Univ im I. V. Stalin), 100 copies (KL, 14-58, 109)

-14-

AUTHORS:

Nogaydeli, A. I., Gonadze, G. M.

79-28-4-16/60

TITLE:

Synthesis of the Acetic Ester of Di-(Oxycyclohexyl)-Butadiene-1,3 and Its Catalytic Hydration (Sintez uksusno-kislogo efira di-(oksitsiklogeksil)-butadiina-1,3 i yego kataliticheskoye gidrirovaniye)

PERIODICAL:

Zhurnal Obshchey Khimii, 1958, Vol. 28, Nr 4,
pp. 921-922 (USSR)

ABSTRACT:

In the previous paper (Reference 1) the synthesis of the acetic ester 2,7 dimethyloctadiene-3,5 - diol -2,7 was described. In the present paper the authors synthesized the acetic ester of di-(oxycyclohexyl)-butadiene-1,3 in the same way, however, at lower temperatures; they examined its catalytic properties and described them for the first time. The investigations showed that in the presence of colloidal palladium the hydrocarbon, the saturated alcohol acetate, and the diacetate of saturated glycol are formed, when 8 hydrogen atoms are added. In the presence of platinum black the ester is unable to bind more than 6

Card 1/2

Synthesis of the Acetic Ester of Di-(Oxycyclohexyl)-Butadiene-1,3 and Its Catalytic Hydration

79-28-4-16/60

hydrogen molecules, at a simultaneous formation of hydrocarbon. The 1,4-di-(cyclohexyl)-butane, the 1-oxycyclohexyl-4-cyclhexyl-butane acetate and the 1,4-di-(oxycyclohexyl)-butane diacetate were separated. Negligible amounts of the initial diacetylene ester and of acetic acid were also separated. On the whole, two parallel experiments were conducted, showing analogous results. There are 1 table and 1 reference, 1 of which is Soviet.

ASSOCIATION: Tbilisskiy gosudarstvennyy universitet (Tbilisi State University)

SUBMITTED: June 17, 1957

Card 2/2

NOGAYDELI, A.I.; GONADZE, G.M.

Synthesis of 3, 8-dimethyl-4, 6-decadiyne-3, 8-diol acetate and
di(1-hydroxycyclopentyl)-1, 3-butadiyne acetate and their catalytic
hydrogenation. Zhur.ob.khim. 31 no.6:1838-1843 Je '61.
(MIRA 14:6)

1. Tbilisskiy gosudarstvennyy universitet.
(Acetic acid) (Hydrogenation)

GONAROVICH, N.

Spartakiada is in full swing. Za rul. 16 no.7:2-3 J1 '58.
(MIRA 11:10)
1. Starshiy instruktor respublikanskogo komiteta Dobrovol'nogo
obshchestva sodeystviya armii, aviatsii i flotu Latviyskoy SSR.
(Motorcycle racing)

GONASHVILI, Sh.G.; GONASHVILI, M.Sh.

Some properties of purified proteinase of fig latex. Prikl.
biokhim. i mikrobiol. 1 no. 6:640-644 N-D '65. (MIRA 18:12)

1. Gruzinskiy zooveterinarnyy uchebno-issledovatel'skiy institut.
Submitted Aug. 2, 1965.

GONASHVILI, Sh-G

Def. at
Tbilisi State U.

БАСКОВИЧЕВА Е.А. ПРОДОЛЖЕНИЕ

SARASWATI VEDIC INSTITUTE

11

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GONASHVILI, Sh. G.

Gonashvili; Sh. G. - "The effect of heat treatment of milk albumin" Sbornik trudov (Gruz. zootekhn.-vet. in-t), Vol. VI, 1948, p. 122-26, (In Georgian, resume in Russian).

SO: U-4110, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 19, 1949).

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000515930007-1

GONASHVILI, Sh. G.

Gonashvili, Sh. G. - "The biochemical properties of toxalbumins", Sbornik trudov (Gruz. sootekhn.-vet. in-t), Vol. VI, 1948, p. 128-33.

SO: U-4110, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 19, 1949).

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000515930007-1"

CA

IIA

The first stage in the decomposition of casein. Sh. G. Gonashvili. *Doklady Vsesoyuz. Akad. Sel'sko-Khoz. Nauk Tsvetnoy Metallurgii* [Soviet Academy of Agricultural Sciences, All-Union Institute of Non-Ferrous Metallurgy], No. 6, 8-13(1948).—Reaction of casein with pepsin, trypsin, and rennet (100 cc. of 1% casein soln. and 1 cc. of a 1% enzyme soln. at pH 6.0) shows that the control (without enzymes) need more HCl for the coagulation of the casein. The pH of the control was lower than the enzyme-contg. solns. In the early stages of protein breakdown caused by the enzymes two protein bodies are formed, with two isoelectric points, one of which (pH 5.0) coagulates the products in the presence of Ca, whereas the lower one (4.1-4.4) does not. The two proteins are named A and B. In the course of the proteolysis the viscosity of the solns. was detd.; rennet decreased the viscosity less than trypsin. In alk. hydrolysis the two protein bodies also formed. The first stage of casein hydrolysis differs from the disaggregation of proteins. In the latter the viscosity of the soln. drops sharply and the products of protein breakdown do not coagulate on the addn. of trichloroacetic acid. In the splitting of casein, the viscosity of the soln. decreases but little, and the protein bodies formed in the first stage of proteolysis do coagulate at the isoelect. pH. J. S. Joffe

ASB-SEA METALLURGICAL LITERATURE CLASSIFICATION

MATERIALS

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TIME

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METHODS

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TECHNIQUE

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TESTING

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ANALYSIS

AND

TESTING

GONASHVILI, SH. G.

62/49T3

USSR/Chemistry - pH
Chemistry - Test Methods

Jul 49

"Simple Electrometric Method for Determining
the pH Values of Acid Solutions," Sh. G.
Gonashvili, Georgian Inst of Animal Husbandry, 11

"Zavod Lab" No 7

Proposed method is based on experimentally established linear relationship between pH value of a 0.1 N solution of citric acid and the number of milliliters of 0.1 N solution of alkali added to it. If liquid of unknown pH is connected by an electrolytic bridge with a vessel containing 0.1 N solution of citric acid, an emf is created whose value depends on concentration of hydrogen ions. Titration of citric acid reduces this emf to zero. Tabulated data shows this method to be nearly as accurate as regular electrometric method for pH values in the 2.4-7.0 range.

62/49T3

12

Action of rennet enzyme on casein. Sh. G. Gonash-vill. *Volochaysk Prom.*, 10, No. 8, 39-40 (1910); cf. C.R. 43, 260d. Rennet enzyme serves to cleave casein into casein a and casein b, apparently by peptide link fission; the products have isoelec. points of pH 5.0 and 4.2, resp.; the former is also ppts. by lower concns. of Ca and a lower temp. than casein proper. G. M. K.

GONASHVILI, Sh.G.

The heterogeneity of casein. Soobshcheniya Akad. Nauk. Gruzin. S.S.R.
10, 519-26 '49. (MLRA 4:7)
(CA 47 no.16:8114 '53)

1. Inst. Animal Husbandry, Tiflis.

CA

110

Proteolytic enzymes of the fungus *Panus rufus*. Sh. G. Gonashvili (Gruziiskii Nauch.-Issledovatel. Inst., Zhitivotnovedstva). *Doklady Vsesoyuz. Ordena Leningra Akad. Sel'sho.-Khoz. Nauk im. V. I. Lenina* 14, No. 12, 32-8(1949).—One gram of the powd. material contg. 2.73% ash, 0.38% H_2O_2 and 2.48% N was extd. with 20 cc. 5% NaCl 0.5 cc. toluene for a period of 10-20 hrs. The filtered ext. had a light brown color, pH 5.3, 0.08% N, and 2.8% dry matter. The enzymic activity of the ext. on gelatin was highest at pH range 6.3 to 8.5. With casein the favorable pH range is 6.0-6.2. Reducing agents, such as H_2S , decrease the activity of the enzyme. It is claimed that the enzyme of *Panus rufus* may be used in coagulating milk for cheesemaking and in the tanning of leather.

J. S. Jaffe

CA

2

Simple electrometric determination of pH of acid solutions. Sh. G. Komolapov. Zavodskaya Lab. 15, 804 (1969). The method is based on linear dependence of pH of 0.1 N citric acid upon the vol. of 0.1 N NaOH added to it. The test sample is connected by agar bridge to 5 ml. 0.1 N citric acid, which is then titrated by use of Pt electrodes and quinhydrone until no potential difference is detectable. A calibration curve is given. Results within 0.01-0.03 pH units are readily obtained with biol. specimens.

G. M. Komolapoff

June 1966. The utilization of the fat of lambs and the growth of the lamb during the first 100 days of lactation were studied by us in 1951. The results of our study are summarized in April 1952. The last 2 months of lactation are important since during this time the lambs are taken from the ewes and the latter go up to Alpine pastures. Analyses for this period show: sp. gr. of the fat 0.92796, sp. gr. of the fat-free dry substance 1.5363. The following relation exists between the density d , the fat content f (in %), and the dry substance content t (in %): $d = 1.22f + 2.8t$ ($f = 100 - t$). This milk is characterized by its high buffering capacity and its high content in protein, phosphate, and salts of organic acids.

M. G. Moore

GONASHVILI, Sh.G.

Identity of pepsin and chymosin. Soobshcheniya Akad. Nauk Gruzin. S.S.R. 12,
No. 2, 77-84 '51.
(OA 47 no.22:12438 '53)

1. Animal Husbandry Inst., Tiflis.

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000515930007-1

(DORRSHUT, SH-6)

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.
Andreae, R. - 1931-1932
Von der Heydt, W. - 1931-1932
L. 1931-1932
G. 1931-1932

(1)

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000515930007-1"

Transmutation of α_2 -casein during the ripening of Soylet

A series of experiments was carried out on samples of ripening cheese. Samples I, II, III, IV, V, VI, VII, VIII, IX, and X were taken at the end of the first week and finally reduced over $HgCl_2$. An excess of $K_2Cr_2O_7$ was added and the solution was titrated with $Na_2S_2O_3$. The latter was also used to titrate the polypeptide fraction obtained by the hydrolysis of the cheese with $0.5\% H_2NCONH_2$ for 24 hr. During 4 months' storage, II and S diminished slightly from 12.26 and 1.04 to 11.89 and 0.94%, resp., while I and III increased from 8.34 to 10.25% and 12.48 to 15.67 mg per g of cheese. Likewise, IV, V, IX, and X increased from 4.18 and 1.50 to 4.50 and 2.34%, and from 13.86 and 8.76 to 17.91 and 30.05 mg per g of cheese. In contrast, VI, VII, and VIII decreased from 1.21, 0.52, and 0.55 to 0.57, 1.42%, and 1.42%. The analysis of X revealed also that at the end of 4 months' storage 77% of total amino N in poly peptide-amino acid fraction of cheese, 47.2% of poly peptide and amino-acid N, and 38.0% of nonprotein N of cheese was represented by the free amino acids. The proteolytic papainlike activity (U/g) of cheese, as determined by the content of tyrosine and nonprotein N, increased 10 times, showing its ability to enhance the activity of α_2 -casein.

C Improved methods for determining the by-products of protein breakdown in cheese. Sh. Gavashvili, Melashvili, *Zh. Gruz. Prom.*, 17, No. 3, 31 (1956). To det. albumin N in the water-sol. ext. of cheese, treat 20 ml. of the ext. with 1% AcOH soln. until the pH of the whole reaches 4.6. Heat the liquid on a water bath for 5 min., cool, filter, and wash the ppt. 3 times with 3 ml. of distilled water. Place the filter paper in a 100-ml. digestion flask, add 5 ml. of H₂SO₄, and conduct digestion as in the Kjeldahl process. Finally use 20 ml. of 33% NaOH soln. and 20 ml. of 0.05*N* H₂SO₄ to liberate and trap ammonia, resp., in the following digest. process. Multiply the value of the N so obtained by 500 to give the amt./100 g. of cheese. To det. peptone and albuminous N, add to 50 ml. of filtrate from cheese ~~at~~ 0.5 g. NaCl and 12% soln. of tannic acid (I) in the amt. necessary to ppt. all of the high-mol. degradation products of casein. Filter and wash the ppt. with water contg. 0.6 ml. of 1/100 ml. Det. amino N in the filtrate and wash water, transfer the ppt. to a Kjeldahl flask, and conduct the digestion as previously described. Multiply the value of the N so obtained by 200 and correct for albumin N to give the amt./100 g. of cheese. *Vladimir N. Epikovskiy*

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ABSTRACT	:	Studies of the chemical composition of forage varieties of soybean (Kuatovaya, Chernosemyannaya, Novaya and Rannyyaya) showed that these varieties are not inferior to alfalfa in the content of nutrients in the vegetative mass. — G. N. Chernov
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